



DEQ 101



Walter Baker,
Director

WATER QUALITY

OUR MISSION

Protect surface and
ground water quality to
allow beneficial uses and
to protect public health



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Water Quality

STATUTORY AUTHORITIES

- ✓ Utah Water Quality Act
- ✓ Federal Clean Water Act
- ✓ Federal Safe Drinking Water Act



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UTAH WATER QUALITY ACT (1953)

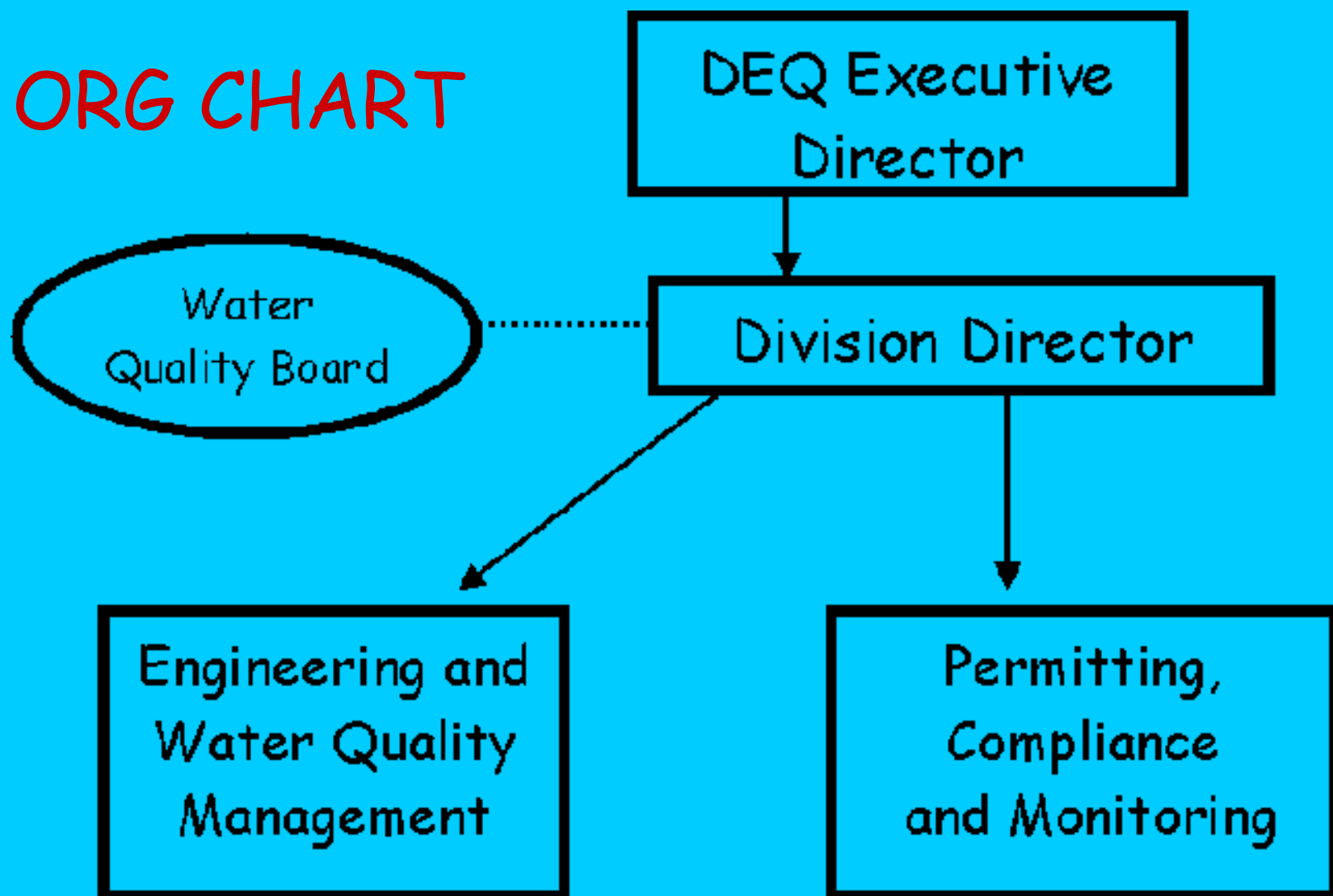
- ❖ Utah Water Quality Board
- ❖ Surface water and ground water pollution control
- ❖ Classify waters according to beneficial uses
- ❖ Establish standards to protect waters
- ❖ Enforcement and penalty authority
- ❖ Establish plans to improve water quality



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Water Quality

DIVISION ORG CHART



DIRECTOR'S OFFICE

Division leadership

Budget and grant management

Division Director serves as Executive Secretary to Water Quality Board



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Water Quality

ENGINEERING and WATER QUALITY MANAGEMENT

Water quality management

TMDL/Watershed Planning

Construction assistance

Design evaluation



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PERMITTING, COMPLIANCE and MONITORING

Groundwater protection

Permitting and compliance

Monitoring



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MONITORING

- ❖ Chemical samples
- ❖ Biological sampling
- ❖ Continuous monitoring sites
- ❖ Groundwater well sampling



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STATE OF UTAH
DIVISION OF WATER QUALITY
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALT LAKE CITY, UTAH

UNDER THE
UTAH POLLUTANT DISCHARGE ELIMINATION ACT

AUTHORIZATION TO DISCHARGE
WASTEWATER TO DISPOSE OF BIOLOGICAL SOLIDS
AND
STORM WATER PERMIT

Sections of the Utah Water Quality Act, 1953, as amended (the "Act"),

discharge from its wastewater treatment plant
the outfall located at latitude and longitude
named (Discharge Stream Name)
storing requirements.

forth herein. Authorization
this permit.

Permits & Compliance

Permitting Treatment &
Discharge

Storm Water

Biosolids

CAFOs

SURFACE WATER

PERMITS AND COMPLIANCE

- ❖ UPDES discharge permits
- ❖ Pretreatment program
- ❖ Storm water permits
- ❖ Biosolids permits
- ❖ Enforcement and compliance



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GROUNDWATER PROTECTION

- ❖ Groundwater classification and standards
- ❖ Groundwater discharge permits
- ❖ Underground injection control
- ❖ Pollution prevention planning
- ❖ Enforcement and compliance



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FIELD INSPECTIONS SALINE EVAPORATION PONDS



TMDL/Planning Section

- ❖ Develop Total Maximum Daily Loads (TMDLs)
- ❖ Develop watershed restoration plans
- ❖ Assist in watershed management
- ❖ Track implementation projects



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BEFORE



AFTER

WATER QUALITY MANAGEMENT

- ❖ Non Point Source pollution control
- ❖ Water quality standards/waste load allocations
- ❖ EIS review
- ❖ COE 404 permit certification
- ❖ GIS mapping
- ❖ Water quality assessment



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Water Quality

Major Projects and Responsibilities of the Water Quality Management Section



Division of Water Quality
Department of Environmental Quality

Applying for and Administering CWA Section 319 Grants: A Guide for State Nonpoint Source Agencies

March 2003

United States Environmental Protection Agency
State-EPA/NPS Partnership
Grants Management Work Group

STANDARDS OF QUALITY FOR WATERS OF THE STATE R317-2, UTAH ADMINISTRATIVE CODE



UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY
EFFECTIVE DATE OF LAST REVISION - DECEMBER 7, 2001

STATE OF UTAH

NPS INTERAGENCY MONITORING WORKGROUP

Chalk Creek



1991-1999 Field Evaluations and Progress Report

MAY 25, 2001

Utah Department of Environmental Quality
Utah Department of Natural Resources
Utah Farm Bureau Federation
Utah Department of Agriculture and Food
Utah State University Extension

UTAH'S 2002 303(d) List of Waters



DEPARTMENT
OF
ENVIRONMENTAL
QUALITY

DIVISION
OF
WATER
QUALITY



Utah Water Quality Assessment Report to Congress 2002



Department of
Environmental Quality



Division of
Water Quality







CONSTRUCTION ASSISTANCE

- ❖ Community loans and grants for wastewater systems
- ❖ Operator certification and training
- ❖ Environmental assessment preparation
- ❖ Construction and contract management



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DESIGN EVALUATION

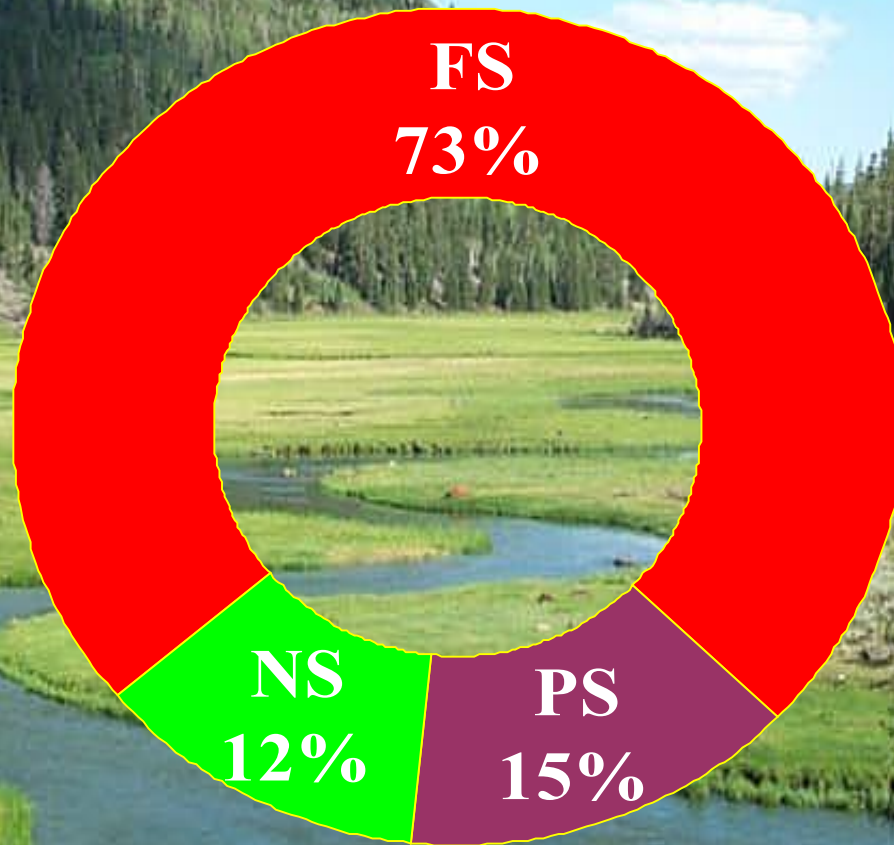
- ❖ Engineering plan review
- ❖ On-site system management
- ❖ Certification of onsite system designers
- ❖ Construction inspection



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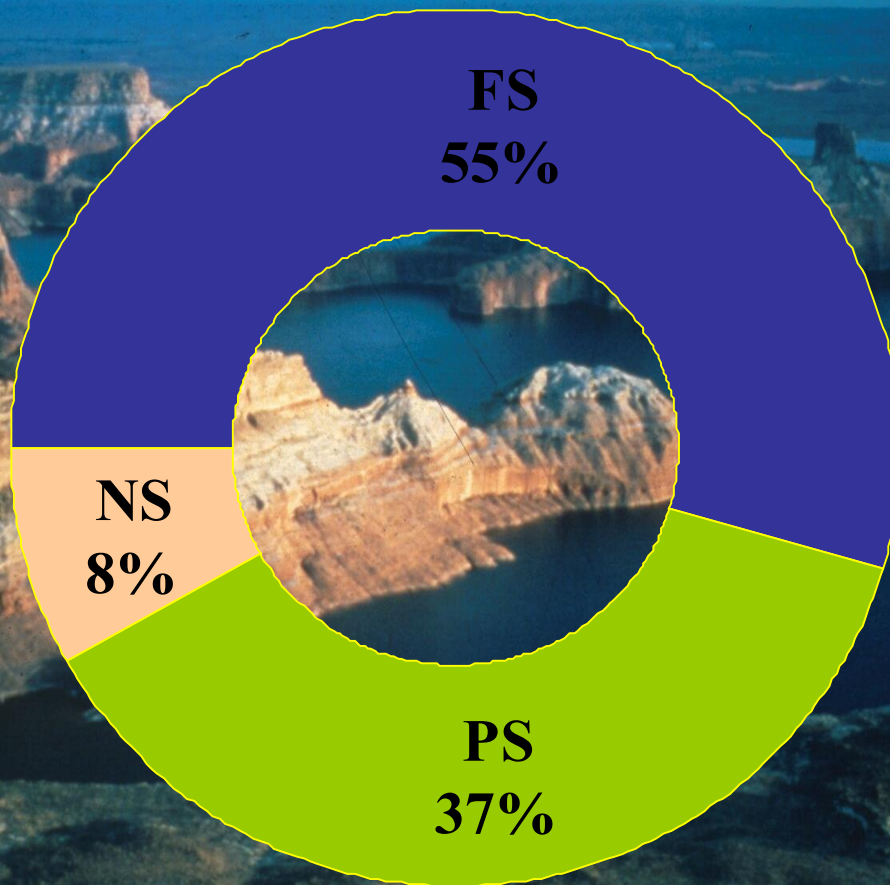
Stream Water Quality Status 2002



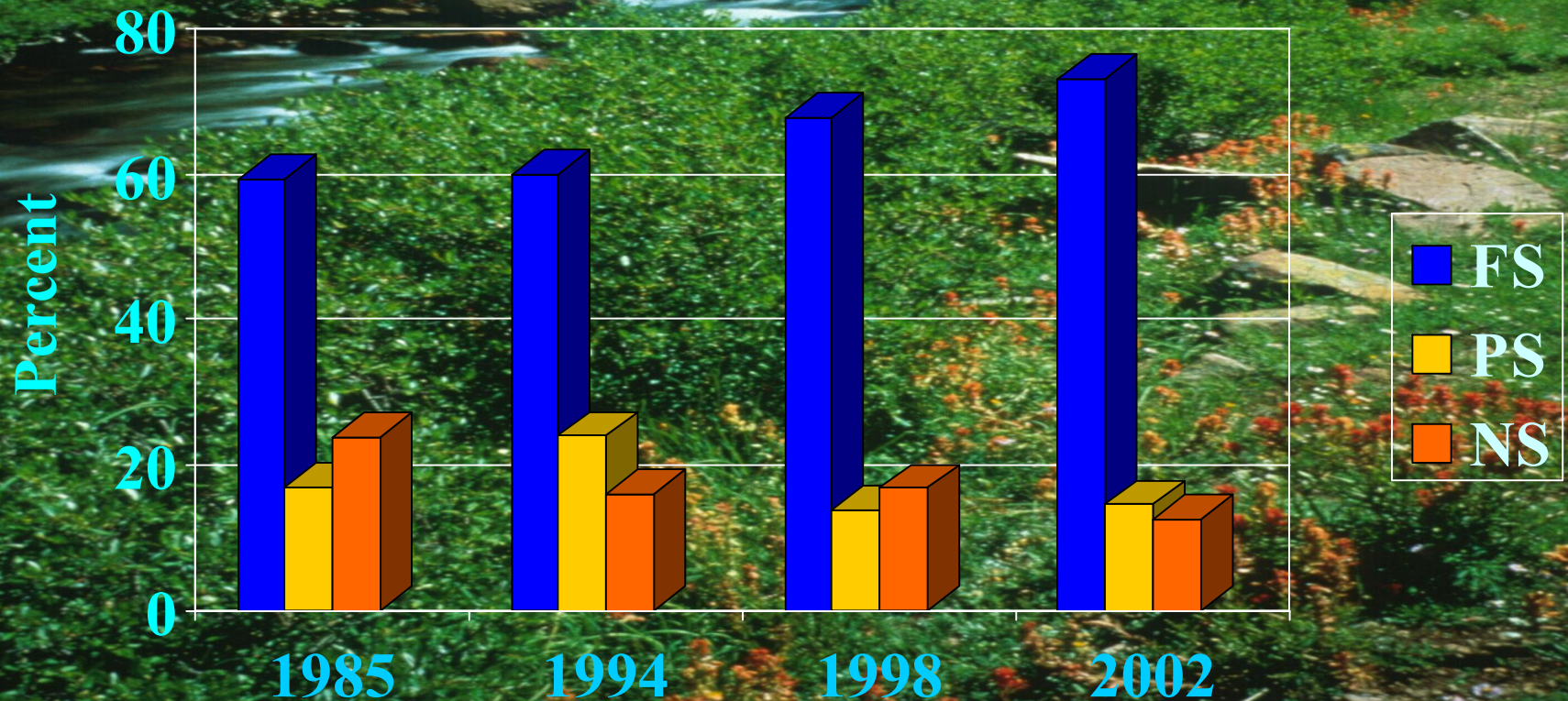
Total miles = 10,597 miles

Water Quality Status 2002

131 Lakes and Reservoirs



Historical Stream Water Quality Assessment



FOR MORE INFORMATION

www.waterquality.utah.gov



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